Top links

Iowa State club launching experimental repeater today (https://minnesotahamradio.com/iowa-state-club-launching-experimental-repeater-this-saturday/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
High altitude balloon will make FM contacts possible across the Midwest.
Minnesota Ham Radio

Machine learning enhanced FM digital voice (https://freedv.org/david-nov-2024-bbfm-ota-tests-c-port-eoo-text/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Transmitted over the air (OTA) using commodity FM UHF radios.
FreeDV

Prototype 2el Yagi for Radiosonde fox hunting (https://owenduffy.net/blog/?p=34965?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
The design is for a two element Yagi using a Half Folded Half Wave Dipole driven element and reflector.
owenduffy.net

Open-weather apt (https://open-weather.community/decode/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
A browser-based decoder for automatic picture transmissions (apt) from satellites NOAA-19, NOAA-18 and NOAA-15.
Open-weather

POTA has a REST API (https://copaseticflow.blogspot.com/2024/12/pota-has-rest-api.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
A Python script for tracking the parks near you that you haven't activated yet.
Copasetic Flow

KSKO's one man, full-time operation connects interior Alaska (https://ruralpublic.org/blog-and-news/usrr/kskos-one-man-full-time-operation-connects-interior-alaska/?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Alongside the McGrath studio, a collection of seven repeater stations and two partner stations broadcast widely — across stretches up to 150 miles.
Alliance of Rural Public Media

AI noise removal from off-air single sideband (http://blog.marxy.org/2024/11/ai-noise-removal-from-off-air-single.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
It should be possible to do this sort of processing in near to real time.
marxy's musing on technology

Why we designed the high school direct conversion receiver (https://soldersmoke.blogspot.com/2024/12/challenge-accepted-why-we-designed-high.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
We might have used a variable capacitor but variable capacitors are now expensive and hard to source.
SolderSmoke Daily News

VLF receive loop (https://mw1cfnradio.blogspot.com/2024/12/vlf-receive-loop-more-verticality.html?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
More verticality?
Real-World Amateur Radio

AI generated Ham Radio song (https://www.leradioscope.fr/blog/688-radioamateurs-et-ia-la-naissance-d-une-chanson-innovante?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
With the help of AI, I chose a slightly different musical arrangement for a more universal version.
RADIOSCOPE

Video

2-meter operations above the cloud deck (https://www.youtube.com/watch?v=Srbc6m_Chhl?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Flight from KTIW to W27 over a blanket of cloud cover due to a temperature inversion.
W7NY

Ham Radio for Hackers (https://www.youtube.com/watch?v=S1lygm5U3mo?utm_source=amateur-radio-weekly&utm_medium=email&utm_campaign=newsletter)
Some people consider ham radio operators to be the original hackers.
HOPE XV